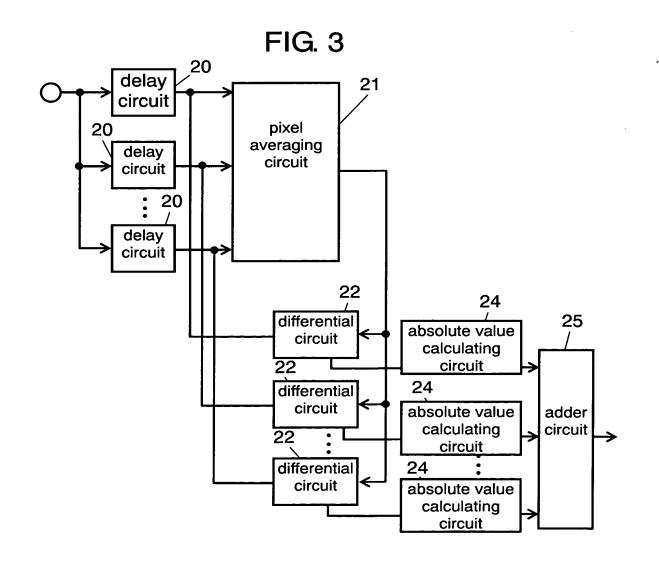


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FIG. 2

Smoothness (S)	×	×	×	×	S≥TH1	S <th1< th=""></th1<>
Gradient (G)	×	× × G <th2 g="">TH3</th2>		TH2≤G ≤TH3	×	
Time-varyin g gradation values (B)	B <th4< td=""><td>B&gt;TH5</td><td>×</td><td>×</td><td>TH4≤B ≤TH5</td><td>×</td></th4<>	B>TH5	×	×	TH4≤B ≤TH5	×
Characteristi cs of areas	no change with time	drastic change with time	smooth area	edge area	constantl y inclined area	complicat e pattern
Correction level	correction : small	correction : small	correction : small	correction : small	correction : large	correction : small



3/19 **FIG.** 4

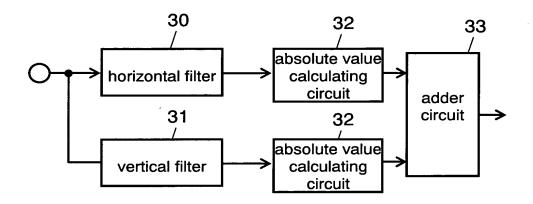


FIG. 5A

horizontal filter

1	0	-1
1	0	-1
1	0	-1

FIG. 5B

vertical filter

1	1	1
0	0	0
-1	-1	-1

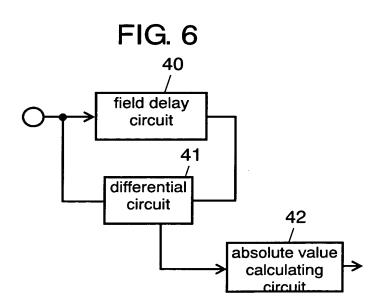


FIG. 7A

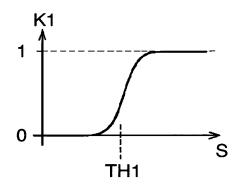


FIG. 7B

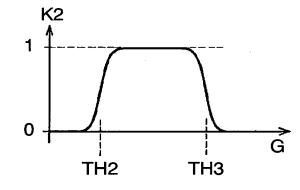
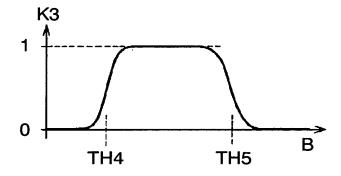


FIG. 7C



5/19 **FIG. 8** 

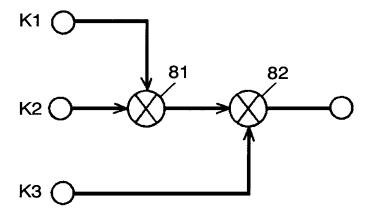
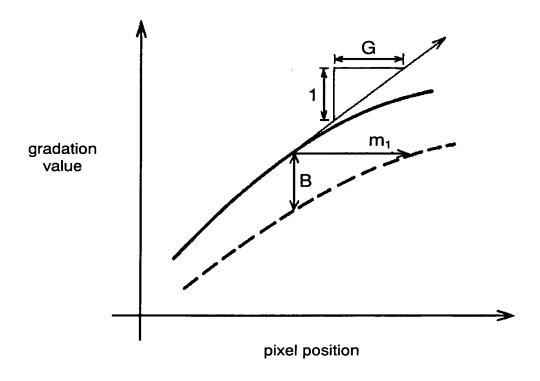


FIG. 9



6/19 **FIG**. **10** 

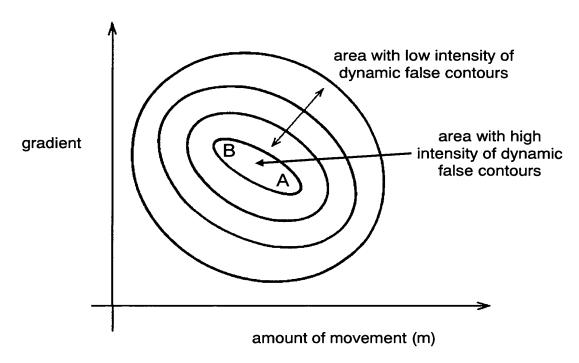


FIG. 11

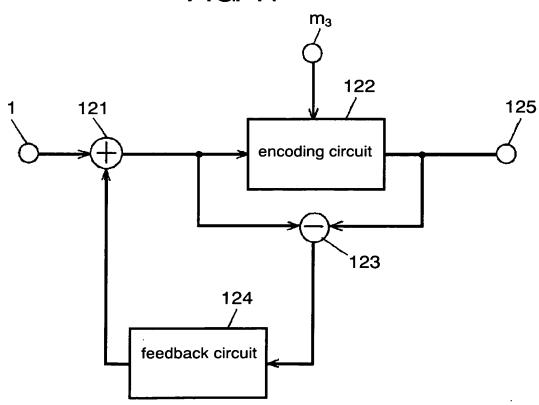


FIG. 12

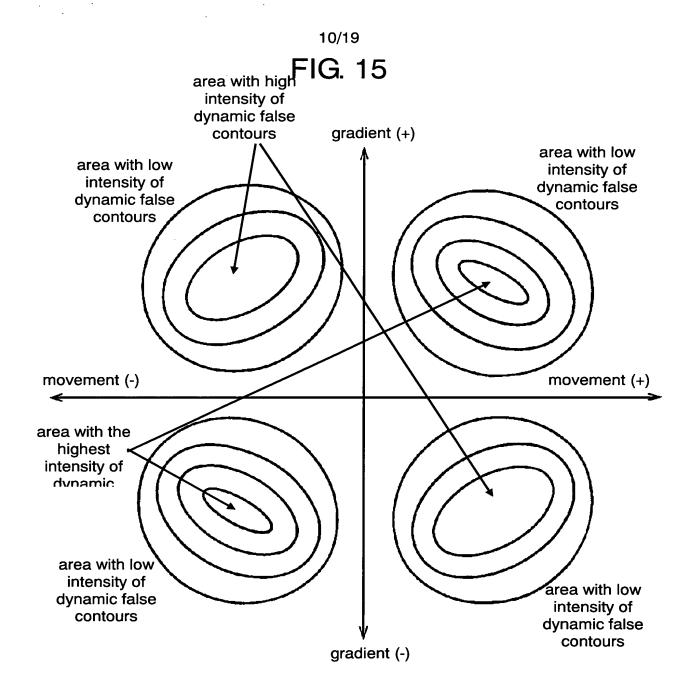
	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10
input gradation values	1	2	4	8	16	24	32	40	56	72
0~7			•							
8~15				1						
16~23					1					
24~31				1	1					
32~39				1		1				
40~47					1	1				
48~55				1	1	1				
56~63				1	1		1			
64~71				1		1	1			
72~79					1	1	1			
80~87				1	1	1	1			
88~95				1	1	1		1		
96~103				1	1		1	1		
104~111	b	inar	У	1		1	1	1		
112~119					1	1	1	1		
120~127				1	1	1	1	1	·	
128~135					1	1	1		1	
136~143				1	1	1	1		1	
144~151				1	1	1		1	1	
152~159				1	1		1	1	1	
160~167				1		1	1	1	1	
168~175					1	1	1	1	1	
176~183				1	1	1	1	1	1	
184~191					1	1	1	1		1
192~199				1	1	1	1	1		1
200~207					1	1	1		1	1
208~215				1	1	1	1		1	1
216~223				1	1	1		1	1	1
224~231				1	1		1	1	1	1
232~239				1		1	1	1	1	1
240~247					1	1	1	1	1	1
248~255				1	1	1	1	1	1	1

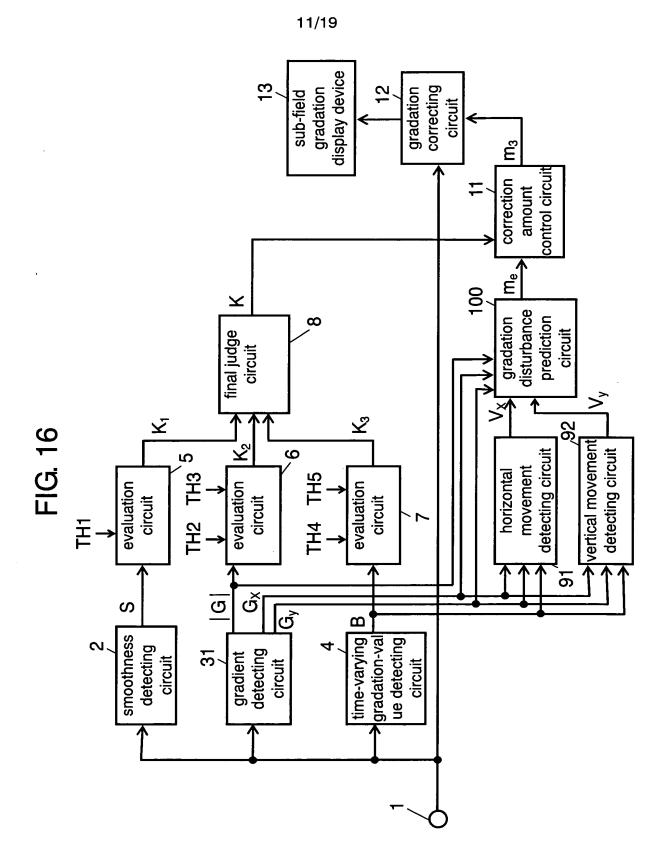
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IG. 13 maximu cor	m grad rection							m grada
	<b>Y</b> 7	6	5	4	3	2	1	0 ↓
input gradation values	4	8	16	24	32	40	56	72
0~7			•	•				•
8~15		•			•	•		•
16~23	<b></b>		•	•	•			•
24~31	<del></del>			•	•	•		•
32~39			•		•	•		•
40~47		•	•		•	•	•	•
48~55	•	•	•	•	•	•		•
56~63				•	•			
64~71				•	•	•		
72~79		•		•	•	•		
80~87	•				•		•	
88~95					•	•		•
96~103				•	•		•	•
104~111			•	•	•	•		•
112~119		•	•	•	•	•		•
120~127		•	•		•	•		•
128~135				-			•	•
136~143						•		•
144~151								•
152~159				•	•	•		•
160~167			•	•		•		
168~175		•				•		•
176~183		•	•			•		•
184~191								•
192~199								
200~207								•
208~215						•		•
216~223						•		•
224~231				•	•			
232~239			•			•		•
240~247			•			•		•
248~255								

FIG. 14

	SF	=1							SF1	0	
input gradation values	1	2	4	8	16	24	32	40	56	72	
0~7											
8~15				1							
16~23				-	1						
24~31				1	1						
32~39				1		1					
40~47					1	1					
48~55				1	1	1					
56~63				1	1		1				
64~71				1		1	1				
72~79					1	1	1				
80~87				1	1	1	1				
88~95				1	1	1		1			
96~103				1	1		1	1			
104~111	bina	ary		1		1	1	1			
112~119					1	1	1	1			
120~127				1	1	1	1	1			
128~135					1	1	1		1		
136~143				1	1	1	1		1		
144~151				1	1	1		1	1		
152~159				1	1		1	1	1		
160~167				<b>X</b> 1		1	1	1	1		
168~175					\1	1	1	1	1		а
176~183				1	1	<u>, 1</u>	1	1	1		u
184~191					1	1.	1	1		1	
192~199				1	1	1	1	1		1	
200~207					1	1	1,		1	1	
208~215				1	1	1	1	<u>/``</u>	1	1	
216~223				1	1	1		1 1	`\1	1	
224~231			ĺ	1	1		1	1	1 `	1	
232~239				1		1	1	1	11	1\b	)
240~247			i		1/	1	1	1	1	1	
248~255				1	1	1	1	1	1	1	





12/19 **FIG. 17** 

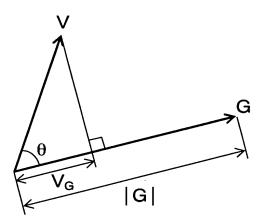
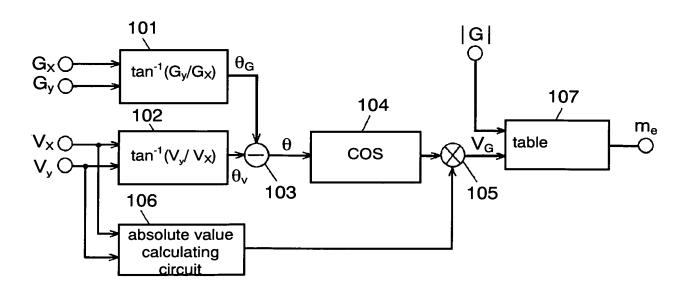
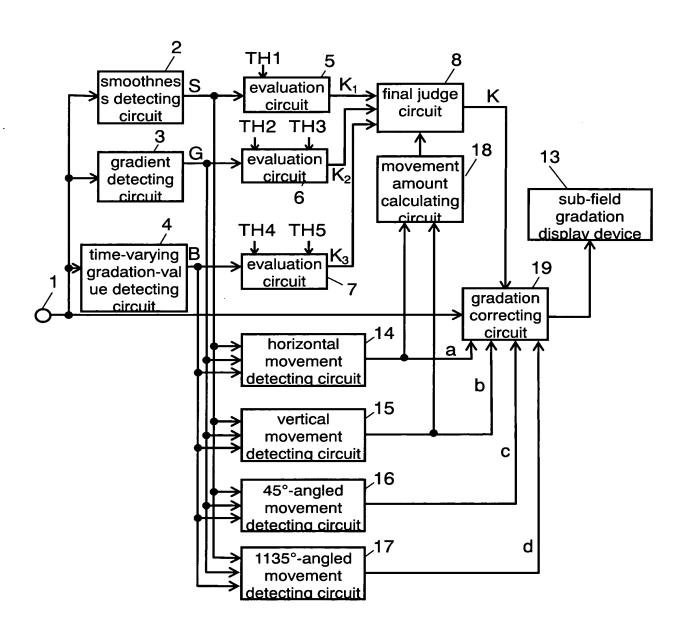


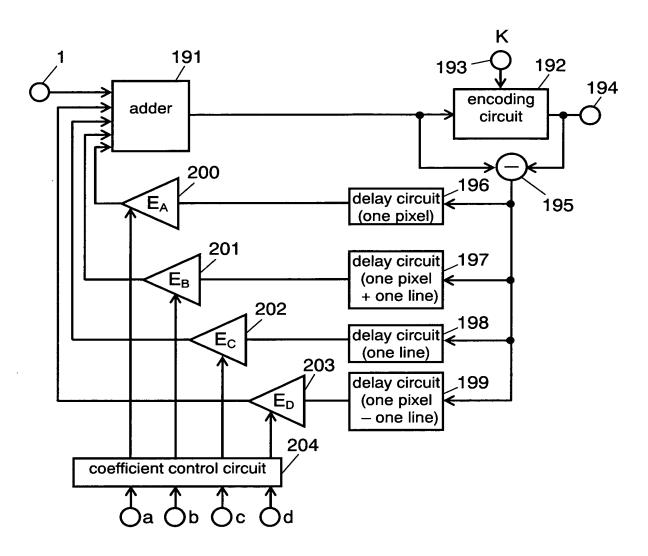
FIG. 18



13/19 **FIG**. **19** 



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FIG. 21

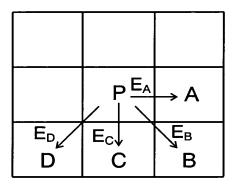
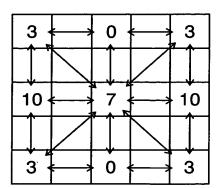


FIG. 22

		E <sub>A</sub>	E <sub>B</sub>	Ec	E <sub>D</sub>
θ	still picture	7	1	5	3
180°	0° <del>←</del>	10	3	0	3
225°	45° 🔨	3	10	3	0
270°	90° ↑↓	0	3	10	3
315°	135° //	3	0	3	10

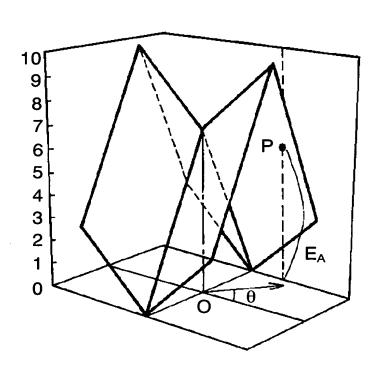
FIG. 23



<sup>16/19</sup> FIG. 24

3	0	P	3
	m	θ	
10	1		10
3	0		3

FIG. 25



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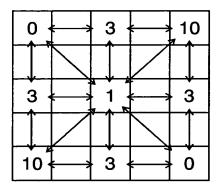
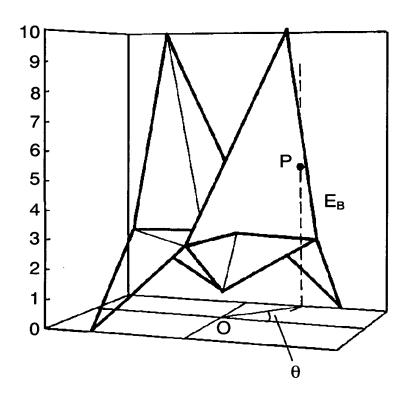


FIG. 27



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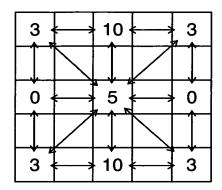
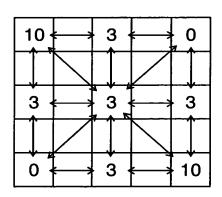


FIG. 29



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## Reference numerals in the drawings

- 1: input terminal
- 2: smoothness detecting circuit
- 3: gradient detecting circuit
- 4: time-varying gradation-value detecting circuit
- 5, 6, 7: evaluation circuit
- 8: final judge circuit
- 9: movement amount detecting circuit
- 10: gradation disturbance evaluating circuit
- 11: correction amount control circuit
- 12, 19: gradation correcting circuit
- 13: sub-field gradation display device
- 14: horizontal movement detecting circuit
- 15: vertical movement detecting circuit
- 16: 45°-angled movement detecting circuit
- 17: 135°-angled movement detecting circuit
- 18: movement amount calculating circuit
- 91: horizontal movement detecting circuit
- 92: vertical movement detecting circuit
- 100: gradation disturbance prediction circuit